

# Turnaround Time Dashboard

## Reporting period: 08/08/21 - 08/14/21

The turnaround time measured is defined as the time between collection of specimen and reporting of results. This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs. The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.

Labs that delivered more than 1,000 results in the week are included in the dashboard.

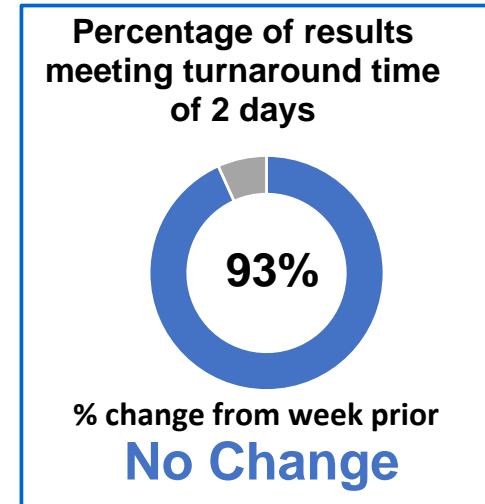
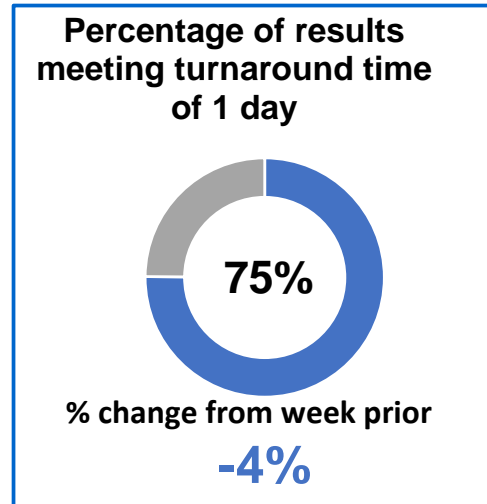
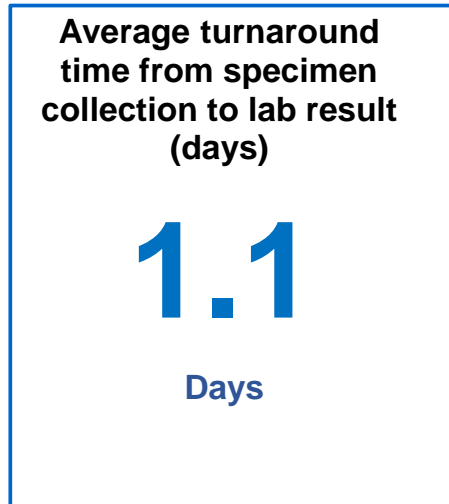
The data source for the analysis is CalREDIE; detailed methodology is included at the end of the document.



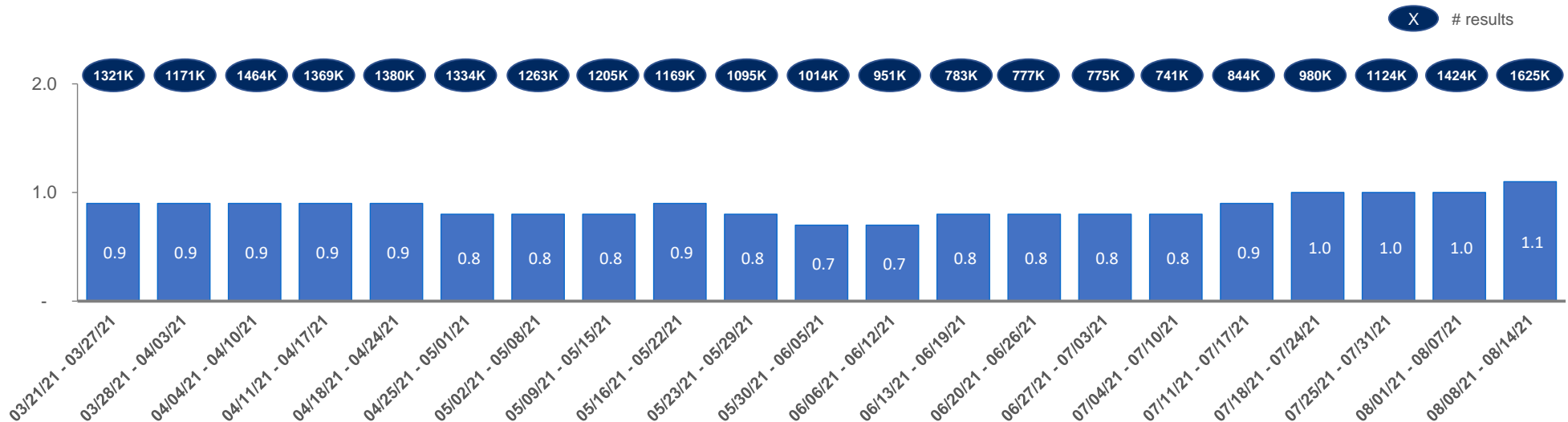
# Turnaround Time, days<sup>1</sup>

Reporting period: 08/08/21 - 08/14/21<sup>2</sup>

## Average turnaround time for week 08/08/21 - 08/14/21



## Average turnaround time by week, days<sup>1</sup>



1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable

2. Results assigned to week based on specimen result date; Results may be delayed entering CalREDIE production, therefore the metrics retroactively change

Time from specimen collection to lab result (days)		Week of 08/08/21 - 08/14/21 <sup>2</sup>							
<div> <div>▲</div> Period of time with majority of results         </div> <div> <div>▲</div> Increase in % results within 2 days from prior period         </div> <div> <div>▲</div> Defined as -1 to 1% change in results within 2 days from prior period         </div> <div> <div>▼</div> Decrease in % results within 2 days from prior period         </div>		Total test count	1 day, % of results	2 days, % of results	3 days - 4 days, % of results	5+ days, % of results	Total results within 2 days, % of results	Difference in % of results within 2 days from prior period <sup>4</sup>	Specimen collection to result average TAT <sup>3</sup> (days) <sup>7</sup>
Total	Total	1,625,074	75%	18%	6%	0%	93%	No Change	1.1
Commercial	SummaBio	267,465	84%	15%	1%	0%	99%	▲	1.0
	Fulgent Genetics	146,836	93%	6%	1%	0%	99%	▲	1.1
	Quest	77,232	54%	35%	10%	1%	89%	▲	1.6
	Curative	72,464	39%	43%	18%	0%	82%	▼	1.8
	Labcorp	63,714	25%	60%	14%	0%	86%	▲	1.9
	MiraDx	54,006	61%	25%	14%	1%	86%	▼	1.0
	Flow Health	37,673	100%	0%	0%	0%	100%	▲	<1
	BioReference Laboratories	31,209	8%	21%	67%	4%	29%	▼	2.9
	Avellino	28,831	64%	24%	10%	1%	89%	▲	1.5
	Helix OpCo	27,751	98%	1%	0%	0%	100%	▲	<1
	COVID Clinic	25,307	91%	4%	1%	3%	96%	▲	<1
	Color Genomics	24,531	93%	6%	1%	0%	99%	▲	<1
	MyMedLab	22,732	61%	27%	11%	1%	88%	▲	1.6
	Cresview Clinical Laboratory	20,787	31%	34%	30%	5%	64%	▼	2.0
	MD Labs	14,100	92%	5%	2%	0%	97%	▲	1.0
	Quickmed	13,456	94%	6%	1%	0%	99%	▲	<1
	PREDICINE INC.	10,892	100%	0%	0%	0%	100%	▲	<1
	Biocrypt	10,439	49%	35%	14%	2%	85%	▼	1.8
	Primex Clinical Laboratories	8,442	100%	0%	0%	0%	100%	▲	<1
	Verity Labs	8,632	60%	24%	15%	0%	84%	▼	1.5
	Excelox	6,660	100%	0%	0%	0%	100%	▲	<1
	One Health Laboratory	6,150	100%	0%	0%	0%	100%	▲	<1
	HealthQuest Exotetics	5,740	86%	10%	3%	0%	96%	▲	<1
	Aegis Sciences	5,227	16%	61%	23%	0%	77%	▼	2.1
	iGeneX	5,220	89%	7%	4%	0%	95%	▲	1.0
	Pharmatech Laboratories & Diagnostics	5,030	100%	0%	0%	0%	100%	▲	<1
	STS Lab 2	4,864	97%	2%	0%	0%	100%	▲	<1
	Genetowrx	4,795	62%	22%	15%	2%	84%	▼	1.1
	WestPac Labs	4,463	50%	43%	7%	0%	93%	▲	1.7
	Clarity Lab Solutions	4,416	100%	0%	0%	0%	100%	▲	<1
	PMH Laboratory	4,386	70%	20%	9%	1%	90%	▼	1.3
	AIT Labs	4,267	28%	30%	34%	8%	58%	▼	2.4
	Vitae Diagnostics	3,890	87%	12%	1%	0%	99%	▲	1.2
	Genome and Biomedical Sciences Facility	3,844	99%	1%	0%	0%	100%	▲	<1
	UDL	3,839	99%	1%	0%	0%	100%	▲	<1
	Omni Pathology	3,546	90%	10%	0%	0%	100%	▲	<1
	Healthy Care Clinical Laboratories	3,517	100%	0%	0%	0%	100%	▲	<1
	Genesis Reference Laboratories	3,470	64%	22%	12%	1%	86%	▼	1.6
	Dexterity Laboratory	3,372	97%	2%	1%	0%	99%	▲	<1
	Bach Diagnostics	2,966	78%	10%	11%	1%	88%	▲	1.3
	Genesis Laboratory Management	2,890	51%	24%	21%	3%	75%	▼	1.9
	Foundation labs	2,884	93%	6%	0%	0%	99%	▲	1.1
	Valley Clinical Laboratory	2,730	61%	34%	6%	0%	94%	▲	1.1
	Pacific Diagnostic Laboratories	2,666	97%	3%	0%	0%	100%	▲	<1
	Amby Genetics	2,469	99%	1%	0%	0%	100%	▲	<1
	Ashley Laboratory	2,307	100%	0%	0%	0%	100%	▲	<1
	Biological Laboratory	2,252	98%	1%	0%	0%	100%	▲	<1
	Eurofins	1,950	84%	14%	2%	0%	98%	▲	1.0
	Priva Path (dba LGC Labs)	1,938	73%	21%	5%	1%	94%	▲	1.4
	Genetox	1,934	100%	0%	0%	0%	100%	▲	<1
	Medical Diagnostic Laboratory	1,934	100%	0%	0%	0%	100%	▲	<1
	Pangea Labs	1,888	97%	0%	3%	0%	97%	▲	<1
	Clinical Reference Laboratory	1,854	8%	55%	32%	6%	62%	▲	2.5
	Nextgen Laboratories	1,767	71%	18%	11%	0%	89%	▼	1.3
	Sunrise Diagnostic Laboratory	1,706	81%	17%	1%	0%	99%	▲	<1
	Path MD	1,624	95%	4%	1%	0%	99%	▲	<1
	Sun Clinical Laboratories	1,415	100%	0%	0%	0%	100%	▲	<1
	StemExpress	1,320	96%	4%	0%	0%	100%	▲	<1
	Basis Diagnostics	1,299	100%	0%	0%	0%	100%	▲	<1
	Northwest Laboratory	1,176	80%	13%	7%	0%	93%	▼	1.2
	Simple Laboratories	1,111	73%	25%	2%	0%	98%	▲	<1
	Inspire Health Alliance	1,064	100%	0%	0%	0%	100%	▲	<1
	Genentox Laboratories	1,043	100%	0%	0%	0%	100%	▲	<1
	Carbon Health	1,040	100%	0%	0%	0%	100%	▲	<1
	TruGraf	1,028	88%	12%	0%	0%	100%	▲	<1
	CVS	1,021	100%	0%	0%	0%	100%	▲	<1
	Other Commercial (n=86)	15,145	80%	12%	7%	1%	92%	▲	<1
Medical Center Affiliated	Total Commercial	1,118,490	72%	19%	8%	1%	92%	▲	1.2
	Kaiser SoCal	87,523	96%	4%	0%	0%	100%	▲	<1
	Sutter Health	20,289	91%	8%	1%	0%	99%	▲	<1
	Dignity Health	17,856	98%	1%	0%	0%	99%	▲	<1
	Kaiser NorCal	16,527	29%	44%	27%	1%	72%	▲	2.0
	UC Davis	12,095	100%	0%	0%	0%	100%	▲	<1
	Santa Clara Valley Medical Center	11,301	100%	0%	0%	0%	100%	▲	<1
	Stanford Hospital and Clinics	10,639	99%	1%	0%	0%	100%	▲	<1
	Calm Lab	7,623	100%	0%	0%	0%	100%	▲	<1
	Sharp HealthCare	7,584	96%	4%	0%	0%	100%	▲	<1
	HCA	7,345	98%	2%	0%	0%	100%	▲	<1
	UCLA	7,079	95%	4%	2%	0%	98%	▲	<1
	University of Southern California - Los Angeles	6,666	99%	1%	0%	0%	100%	▲	<1
	UC Irvine	6,220	59%	38%	3%	0%	97%	▼	1.2
	Scripps	5,584	91%	0%	0%	8%	92%	▼	8.4
	Innovative Genomics Institute	5,491	77%	20%	2%	0%	98%	▲	1.3
	UCSF	4,613	99%	1%	0%	0%	100%	▲	<1
	Providence Health & Services	4,016	100%	0%	0%	0%	100%	▲	<1
	Community Medical Centers	3,645	97%	3%	0%	0%	100%	▲	<1
	Cedars-Sinai Medical Center	3,046	99%	1%	0%	0%	100%	▲	<1
	PathMD	2,775	99%	0%	0%	0%	99%	▲	<1
	Premier Medical Group	2,561	39%	50%	11%	1%	89%	▼	1.7
	Loma Linda University Health	2,380	99%	0%	0%	1%	99%	▲	<1
	John Muir Health	2,206	100%	0%	0%	0%	100%	▲	<1
	Zuckerberg San Francisco General Hospital	2,116	99%	0%	0%	0%	99%	▲	<1
	Veterans Affairs	2,046	96%	3%	1%	0%	99%	▲	<1
	MemorialCare	2,029	100%	0%	0%	0%	100%	▲	<1
	Children's Hospital Los Angeles	1,861	99%	1%	1%	0%	99%	▲	<1
	Adventist Health	1,626	100%	0%	0%	0%	100%	▲	<1
	MLK Jr. Hospital	1,591	96%	1%	3%	0%	97%	▲	<1
	Ventura County Hospital	1,517	100%	0%	0%	0%	100%	▲	<1
	Kawesh Delta	1,353	99%	0%	0%	0%	100%	▲	<1
	Palomar Medical Center	1,323	96%	4%	0%	0%	100%	▲	<1
	Contra Costa Medical Center	1,032	90%	10%	0%	0%	100%	▲	<1
	Other Medical Center Affiliated (n=108)	30,584	94%	4%	1%	1%	98%	▲	<1
PHL	Total Medical Center Affiliated	301,884	91%	6%	2%	0%	98%	▲	<1
	Valencia Branch Lab (VBL)	118,164	53%	42%	5%	0%	95%	▼	1.5
	Contra Costa PHL	4,750	73%	26%	0%	0%	100%	▲	1.2
	San Diego PHL	4,612	97%	3%	0%	0%	100%	▲	<1
	Sonoma PHL	2,714	41%	47%	12%	1%	87%	▲	1.8
	San Francisco PHL	2,039	62%	37%	1%	0%	99%	▲	1.4
	LA PHL	1,930	35%	60%	5%	0%	95%	▲	1.7
	Humboldt PHL	1,497	19%	29%	42%	10%	48%	▼	2.7
	Orange PHL	1,022	98%	2%	0%	0%	100%	▲	<1
	Other PHL (n=15)	4,970	70%	16%	11%	3%	86%	▼	1.5
Uncategorized	Total PHL	141,628	55%	39%	5%	0%	94%	▼	1.5
	Total Uncategorized	63,072	90%	7%	3%	0%	97%	▲	<1

1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable  
2. Results assigned to week based on specimen receipt date. Results may be delayed entering CAPRED production, therefore the metrics retroactively change  
3. Uncategorized entries are reporting facilities that could not be determined to be a commercial lab, a medical center affiliated lab, or a public health lab  
4. Numbers may not add up due to rounding  
5. Numbers may not add up due to rounding  
6. Numbers may not add up due to rounding  
7. The metrics reported may differ from other data reported due to the timing of data collection. The timing of data collection is based on CAPRED production  
Source: CAPRED ELR messages received in CAPRED production, "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR message

# Methodology for calculating lab turnaround time (TAT) from specimen collection to lab result

## Data

- Data source - CalREDIE Electronic Lab Reporting (ELR) messages received in CalREDIE production
- "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR messages

## Assumptions

- Specimens collected prior to 3/1/2020 excluded from analysis due to potential concerns with data accuracy
- Only labs processing at least 1K tests during the reporting period are included in the lab breakdown
- The turnaround time measured is defined as the time between collection of specimen and reporting of results.
  - This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs.
- The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.
- **Sample calculation**
  - Example data: Specimen collected date: 7/20, Result date: 7/27, DISA arrival date: 7/27
  - Specimen collection to CDPH receipt of lab result = Result date (7/27) - Specimen collected date (7/20) = 7 days
  - Lab result to CDPH receipt of lab: DISA arrival date (7/27) - Result date (7/27) = <1 day

## Additional notes

- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production
- Results are assigned to week based on specimen result date and there may be a delay in releasing results into CalREDIE production, as local health jurisdictions may still be processing the result in the reported period. As such, the metrics may retroactively change as results come in for prior reporting periods
- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production